

Land Classification Interpretations
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***Prime and Important Farmland***

Prime farmland is land that has the best combination of physical and chemical characteristics for producing food, feed, forage, fiber, and oilseed crops, and is also available for these uses (the land could be cropland, pastureland, forest land, or other land, but not urban built-up land or water). It has the soil quality, growing season, and moisture supply needed to economically produce sustained high yields of crops when treated and managed, including water management, according to acceptable farming methods.

In general, prime farmlands have an adequate and dependable water supply from precipitation or irrigation, a favorable temperature and growing season, acceptable acidity or alkalinity, acceptable salt content, and few or no rocks. They are permeable to water and air. Prime farmlands are not excessively erodible or saturated with water for a long period of time, and they either do not flood frequently or are protected from flooding.

This section includes lists of soil survey map units that meet the soil requirements for prime farmland in the county and state. Soils that have limitations, such as a high water table or flooding, may qualify as prime farmland if these limitations are overcome by such measures as drainage or flood control. State important soils are also noted.

*This subsection includes:*

- **(a) County Prime Farmland List**
- **(b) Missouri's Soil Survey Mapping Units Denoting Prime Farmland and Farmland of Statewide Importance**

Greene and Lawrence Counties, Missouri  
Prime Farmland

(Only the soils considered prime farmland are listed. Urban or built-up areas of the soils listed are not considered prime farmland. If a soil is prime farmland only under certain conditions, the conditions are specified in parentheses after the soil name.)

Map symbol	Soil name
1B	Newtonia silt loam, 1 to 3 percent slopes
2B	Pembroke silt loam, 1 to 5 percent slopes
6B	Creldon silt loam, 1 to 4 percent slopes
9B	Needleye silt loam, 1 to 3 percent slopes
11B	Sampsel silty clay loam, 2 to 5 percent slopes (Prime farmland if drained)
16B	Barco fine sandy loam, 2 to 5 percent slopes
21B	Peridge silt loam, 2 to 5 percent slopes
24	Parsons silt loam
54	Lanton silt loam, frequently flooded (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season)
55	Huntington silt loam, occasionally flooded
56	Osage silty clay loam, occasionally flooded (Prime farmland if drained)
76	Hepler silt loam, occasionally flooded
95	Cedargap silt loam, frequently flooded (Prime farmland if protected from flooding or not frequently flooded during the growing season)
240	Gerald silt loam
241B	Parsons and sampsel silt loams, 1 to 3 percent slopes (Prime farmland if drained)
921	Secesh-Cedargap silt loams, frequently flooded (Prime farmland if protected from flooding or not frequently flooded during the growing season)